Contents

Adret-Hausberger, M.: Social Influences on the Whistled Songs of Starlings 241
Armitage, K.B.: Social Dynamics of Juvenile Marmots: Role of Kinship and Individual Variability 33
Armitage, K.B., Johns, D.W.: Kinship, Reproductive Strategies and Social Dynamics of Yellow-Bellied Marmots 55
Avery, R.A., Bedford, J.D., Newcombe, C.P.: The Role of Thermoregulation in Lizard Biology: Predatory Efficiency in a Temperate Diurnal Basker 261
Baker, M.C., Sherman, G.L., Theimer, T.C., Bradley, D.C.: Population Biology of White-Crowned Sparrows: Residence Time and Local Movements of Juveniles 133
Banks, E.M., see Huck, U.W. 217
Barth, F.G., see Seyfarth, E.A., et al. 139
Bartz, S.H.: On the Evolution of Male Workers in the Hymenoptera 223
Bedford, J.D., see Avery, R.A., et al. 261
Blaustein, A.R., see O'Hara, R.K. 43
Bloch, R., Bruderer, B.: The Air Speed of Migrating Birds and Its Relationship to the Wind 19
Boeuf, B.J. Le, see Riedman, M.L. 203
Bossema, I., see Röell, A. 1
Bradley, D.C., see Baker, M.C., et al. 133
Bruderer, B., see Bloch, R. 19
Brzoska, J., see Walkowiak, W. 247
Carlson, A., Moreno, J.: The Loading Effect in Central Place Foraging Wheatears (*Oenanthe oenanthe* L.) 173
Davis, L.S.: Sibling Recognition in Richardson's Ground Squirrels (*Spermophilus richardsonii*) 65
Dewsbury, D.A.: Pregnancy Blockage Following Multiple-Male Copulation or Exposure at the Time of Mating in Deer Mice, *Peromyscus maniculatus* . . . 37
Ebbes, H., see Seyfarth, E.A., et al. 139
Fink, F., see Michelsen, A., et al. 269
Foltz, D.W., see Hoogland, J.L. 155
Gamboa, G.J., see Shellman, J.S. 51
Gogala, M., see Michelsen, A., et al. 269
Hergenröder, R., see Seyfarth, E.A., et al. 139
Hockey, P.A.R.: Adaptiveness of Nest Site Selection and Egg Coloration in the African Black Oystercatcher *Haematopus moquini* 117
Hoogland, J.L., Foltz, D.W.: Variance in Male and Female Reproductive Success in a Harem-Polygynous Mammal, the Black-Tailed Prairie Dog (Sciuridae: *Cynomys ludovicianus*) 155
Huck, U.W., Banks, E.M.: Differential Attraction of Females to Dominant Males: Olfactory Discrimination and Mating Preference in the Brown Lemming (*Lemmus trimucronatus*) 217
Hultsch, H., Todt, D.: Temporal Performance Roles During Vocal Interactions in Nightingales (*Luscinia megarhynchos* B.) 253
Jeanne, R.L., see Post, D.C. 283
Johns, D.W., see Armitage, K.B. 55
Joste, N.E., Koenig, W.D., Mumme, R.L., Pitelka, F.A.: Intragroup Dynamics of a Cooperative Breeder: An Analysis of Reproductive Roles in the Acorn Woodpecker 195
Koenig, W.D., see Joste, N.E., et al. 195
Kotchian, N.M., see McFarland, W.N. 71
Krebs, J.R.: Territorial Defence in the Great Tit (*Parus major*): Do Residents Always Win? 185
McFarland, W.N., Kotchian, N.M.: Interaction Between Schools of Fish and Mysids 71
Michelsen, A., Fink, F., Gogala, M., Traue, D.: Plants as Transmission Channels for Insect Vibrational Songs 269
Milinski, M.: Optimal Foraging: The Influence of Intraspecific Competition on Diet Selection 109
Moreno, J., see Carlson, A. 173
Mumme, R.L., see Joste, N.E., et al. 195
Newcombe, C.P., see Avery, R.A., et al. 261
O'Hara, R.K., Blaustein, A.R.: Kin Preference Behavior in *Bufo boreas* Tadpoles 43
Owen, R.E., Plowright, R.C.: Worker-Queen Conflict and Male Parentage in Bumble Bees 91
Pitelka, F.A., see Joste, N.E., et al. 195
Plowright, R.C., see Owen, R.E. 91
Post, D.C., Jeanne, R.L.: Recognition of Former Nestmates During Colony Founding by the Social Wasp *Polistes fuscatus* (Hymenoptera: Vespidae) 283
Pruett-Jones, M.A., Pruett-Jones, S.G.: Spacing and Distribution of Bowers in Macgregor's Bowerbird (*Amblyornis macgregoriae*) 25
Pruett-Jones, S.G., see Pruett-Jones, M.A. 25
Riedman, M.L., Le Boeuf, B.J.: Mother-Pup Separation and Adoption in Northern Elephant Seals 203
Röell, A., Bossema, I.: A Comparison of Nest Defence by Jackdaws, Rooks, Magpies and Crows 1
Rothstein, S.I.: Mechanisms of Avian Egg Recognition: Which Egg Parameters Elicit Responses by Rejecter Species? 229
Ruckdeschel, T., see Wilcox, R.S. 85
Ryan, M.J., see Tuttle, M.D. 125
Searcy, W.A., see Yasukawa, K. 13
Seeley, T.D.: Adaptive Significance of the Age Polyethism Schedule in Honeybee Colonies 287
Seyfarth, E.A., Hergenröder, R., Ebbes, H., Barth, F.G.: Idiothetic Orientation of a Wandering Spider: Compensation of Detours and Estimates of Goal Distance 139
Shellman, J.S., Gamboa, G.J.: Nestmate Discrimination in Social Wasps: The Role of Exposure to Nest and Nestmates (*Polistes fuscatus*, Hymenoptera: Vespidae) 51
Shepherd, J.D.: Trunk Trails and the Searching Strategy of a Leaf-Cutter Ant, *Atta colombica* 77

Sherman, G.L., see Baker, M.C., et al. 133
Smith, D.R.: Reproductive Success of Solitary and Communal *Philoponella oweni* (Araneae: Uloboridae) . . 149
Stralendorff, F. v.: A Behaviorally Relevant Component of the Scent Signals of Male *Tupaia belangeri*: 2,5-dimethylpyrazine 101
Tallamy, D.W.: Age Specific Maternal Defense in *Gargaphia solani* (Hemiptera: Tingidae) 7
Theimer, T.C., see Baker, M.C., et al. 133
Todt, D., see Hultsch, H. 253
Traue, D., see Michelsen, A., et al. 269
Tuttle, M.D., Ryan, M.J.: The Role of Synchronized Calling, Ambient Light, and Ambient Noise, in Anti-Bat-Predator Behavior of a Treefrog 125
Walkowiak, W., Brzoska, J.: Significance of Spectral and Temporal Call Parameters in the Auditory Communication of Male Grass Frogs 247
Wiklund, C.G.: Fieldfare (*Turdus pilaris*) Breeding Success in Relation to Colony Size, Nest Position and Association with Merlins (*Falco columbarius*) . . . 165
Wilcox, R.S., Ruckdeschel, T.: Food Threshold Territoriality in a Water Strider (*Gerris remigis*) 85
Yasukawa, K., Searcy, W.A.: Aggression in Female Red-Winged Blackbirds: A Strategy to Ensure Male Parental Investment 13

Indexed in Current Contents